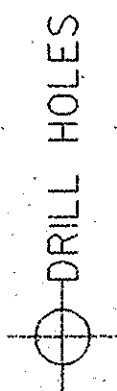
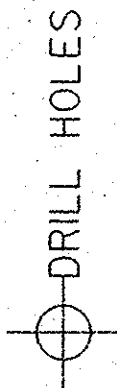
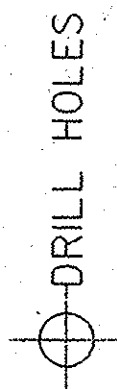
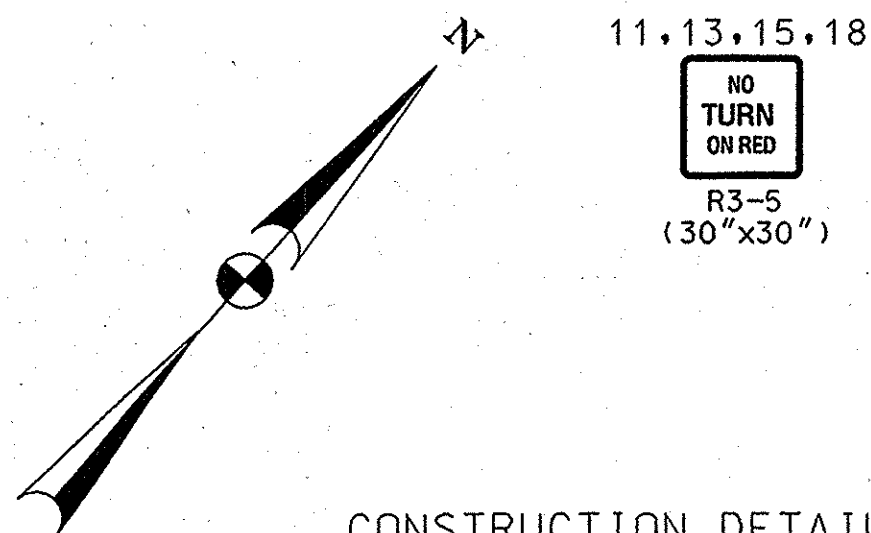


BORDER REV. DATE: June 1, 2004



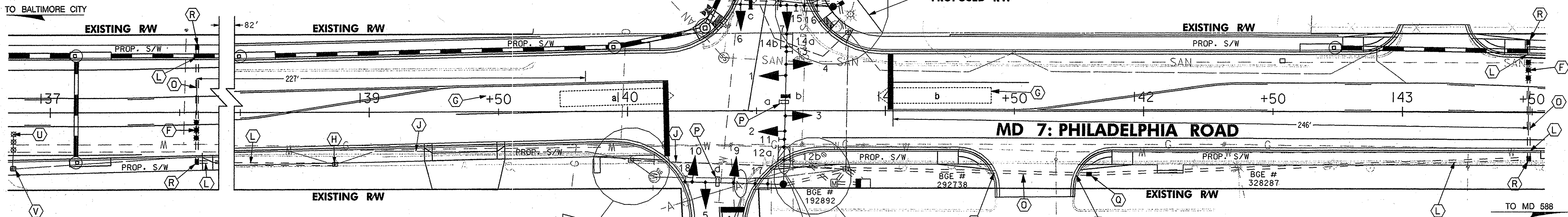
BY: anym

MD 7 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION



CONSTRUCTION DETAILS

- INSTALL 27' STEEL POLE WITH 50' (CUT TO 40') MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTOR CAMERA, AND 20' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE (NOTE: 1-3" PVC BEND).
- INSTALL 27' STEEL POLE (CUT TO 21') WITH TWIN 50' (CUT TO 38') X 60' MAST ARMS WITH SIGNAL HEADS, SIGNS, AND VIDEO DETECTOR CAMERAS (NOTE: 1-3" PVC BEND). RAISE POLE FOUNDATION TO GRADE AT TOP OF CURB.
- INSTALL 4" SCHEDULE 80 RIGID PVC TRENCHED FOR INSTALLATION OF SERVICE BY BGE POLE #192892. PROVIDE A 1' STUB AT POLE BASE WITH A PULL STRING.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 1-4" AND 2-2" 90° PVC BENDS).
- INSTALL A SIZE "6" BASE-MOUNTED CABINET WITH NEMA CONTROLLER AND ALL NECESSARY EQUIPMENT (NOTE: 2-4" PVC AND 2-2" PVC BENDS).
- INSTALL NON-INVASIVE MICROLOOP PROBES WITH 500 FT. LEAD-IN CABLE (TO BE PLACED IN THRU LANE ONLY).



CONSTRUCTION DETAILS cont.

- VIDEO DETECTOR ZONE.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL 2" SCHEDULE 80 RIGID PVC - TRENCHED.
- INSTALL 3" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- INSTALL 4" SCHEDULE 80 RIGID PVC - TRENCHED PRIOR TO FINAL S/W POUR.
- INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED.
- REMOVE EXISTING VIDEO CAMERA ON EXISTING MAST ARM. REUSE AND RELOCATE CAMERA TO PROPOSED MAST ARM.
- INSTALL HANDHOLE.
- INSTALL HANDHOLE PRIOR TO FINAL SIDEWALK POUR.
- REMOVE EXISTING CONTROLLER AND CABINET.
- REMOVE EXISTING POLE, MAST ARM, ALL ATTACHED EQUIPMENT AND FOUNDATION 12" BELOW GROUND GRADE AND BACKFILL.
- DISCONNECT AND ABANDON EXISTING PROBES/ LOOP DETECTORS.
- REMOVE EXISTING HANDHOLE, CAP AND ABANDON EXISTING CONDUIT.

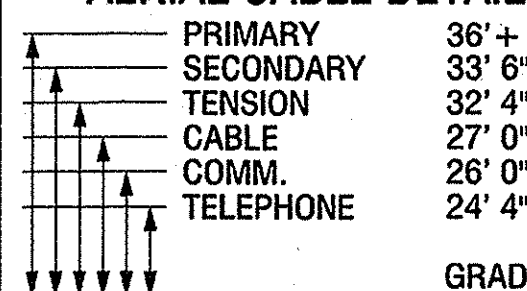
GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

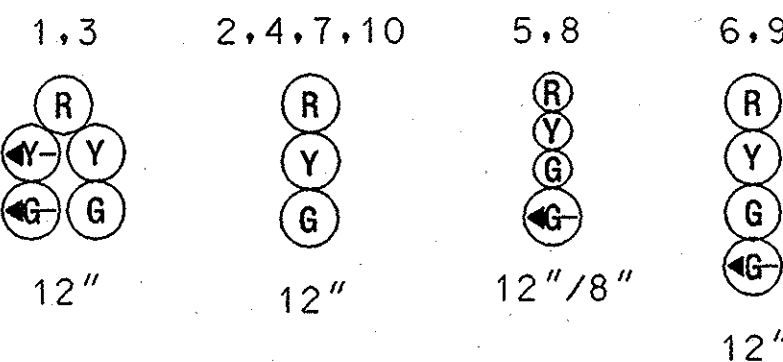
AERIAL CABLE DETAIL



AERIAL CABLE DETAIL



PROPOSED LED SIGNAL HEADS

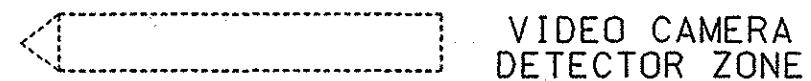


b,c

PROPOSED VIDEO DETECTOR CAMERA

a,d

EXISTING VIDEO DETECTOR CAMERA



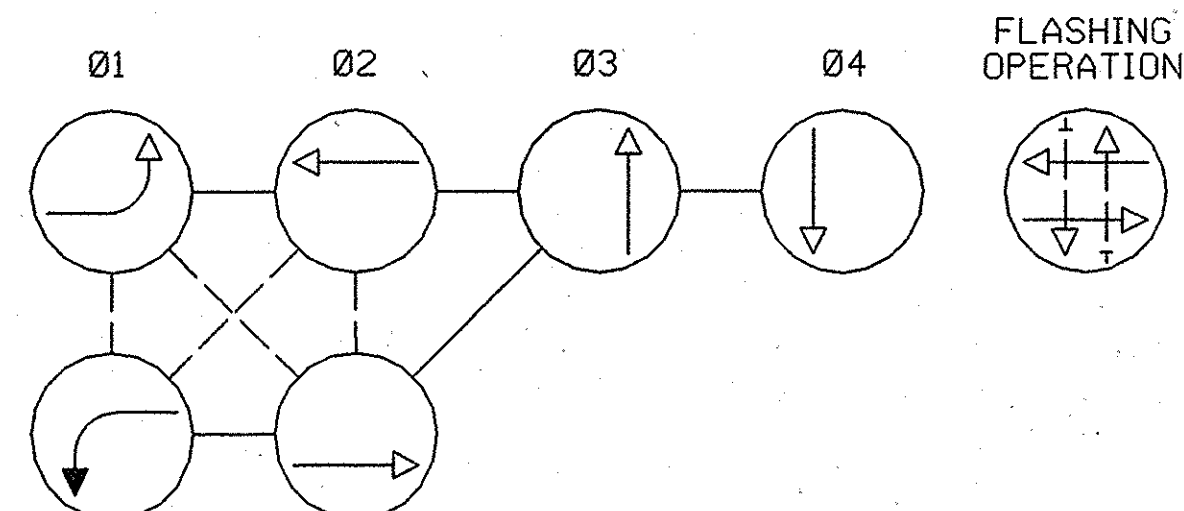
VIDEO CAMERA
DETECTOR ZONE

M

METERED SERVICE PEDESTAL

DETECTABLE WARNING SURFACE

NEMA PHASING



PHASING NOTES

- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTE:
SEE DIMENSION DIAGRAM ON GENERAL INFORMATION
SHEET FOR POLE, AND SIGNAL HEAD DIMENSIONS.

GENERAL NOTES cont.

- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTION, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL PROPOSED EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SIGNAL OPERATION DURING THE COMPLETE CONSTRUCTION PERIOD.
- CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE AND DELIVERY OF THE CENTRAL CONTROL NAVIGATOR UNIT FOR THE CONTROLLER TO THE SHA SIGNAL SHOP AT 7491 CONNELLEY DR., HANOVER, MD 21076. MR EDWARD ROSENHIZER AT (410) 787-7652 SHALL BE CONTACTED SEVENTY-TWO (72) HOURS PRIOR TO DELIVERY.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING MR. ROBERT SMITH, OOTS, AT (410) 787-7631 TO ARRANGE PHONE DROP. THE CONTRACTOR SHALL PROVIDE SEVENTY-TWO (72) HOURS NOTICE PRIOR TO COMPLETION OF THE PROJECT AND SHALL PROVIDE THE NEAREST ADDRESS.

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

T3 design
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3827 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-559-5851
www.t3design.us

UTILITY LEGEND	
—SD—	STORM DRAIN
—G—	GAS MAIN
—W—	WATER MAIN
—S—	SEWER MAIN
—E—	ELECTRIC CABLES
—A—	AERIAL CABLES
—T—	TELEPHONE CABLES
—F—	FIBER-OPTIC

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
10-11-06	RECONSTRUCT TO MAST ARM; ADD VIDEO CAMERAS & VIDEO DETECTOR; SEE BGE #192892
10-11-06	ADD EXCLUSIVE PERMISSIVE LT. PHASE TO EB MD7.

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 7 (PHILADELPHIA RD) AND ROSEDALE AVE / HAMILTON AVE	
TRAFFIC SIGNAL PLAN	
SCALE 1" = 20'	DATE 12/22/97
DESIGNED BY	COUNTY BALTIMORE
DRAWN BY STEVE BENZI	LOGMILE 03000700.66
CHECKED BY	T.I.M.S. NO. F189
F.A.P. NO.	TOD NO.
DRAWING NO. TS-1653D	SG-1 OF 9
SHEET NO. 162 OF	

PLOTTED: Monday, October 23, 2006 AT 10:29 AM
FILE: Z:\Project\06-000 Century Engineering-MD SHA\Task 1 MD 7\CADD\6 P&E Plans\SG-P001_M07.dgn